In the Specification

The specification has been amended as follows:

Amend the paragraph beginning at page 3 line 15 as follows:

In a related aspect, the present invention provides transmitting the
data in a ~~point to point~~point-to-point transmission.

Amend the paragraph beginning at page 4 line 8 as follows:

In a related aspect, the present invention provides data being transmitted
as a ~~point to point~~point-to-point transmission.

Amend the paragraph beginning at page 4 line 21 as follows:

In still another aspect, the present invention provides a method of

transferring incoming multithreaded concurrent sets of data in a point-to-point either

synchronous or asynchronous transmission from a sending transport system to a

requesting transport system providing a retrieving process for retrieving the sets of data

from the sending transport system and retrieving the sets of data from the sending

transport system. The method further calculating a required number of the data

storage locations for the sets of data. Then, the receiving queue being queried for a

number of available data storage locations, and determining if a receiving queue has

available the required number of data storage locations. Next, signaling the retrieving

process to transfer the sets of data to the receiving queue and the sets of data being

transferred to a receiving queue. The method then includes queuing the sets of data in

the receiving queue, where each ~~the set of data~~of the sets of data being divided into

blocks of data, determining a number of the data storage locations for storing the

blocks of data, the blocks of data being loaded into the available data storage

locations. The method includes providing location indexes for each of the blocks of data where the location indexes associate the block of data with a corresponding the storage location. Then, providing a sending process for sending the sets of data to the requesting transport system and indicating to the requesting transport system that the sets of data are ready for sending. The method then includes transmitting associated data in the storage locations wherein the data being transmitted is sent as a single message, and indicating the storage location is available for storing ~~new the~~ other blocks of data.

Amend the paragraph beginning at page 7 line 21 as follows:

The present invention discloses a single queue approach for receiving multi-threaded concurrent sets of data. The advantage of using the single queue method disclosed in the present invention includes the elimination of multiple queues, while concurrently buffering data from multiple processes. Also, the Ferris-Wheel ~~queue~~ Queue embodiment of the present invention ensures that concurrent processes on the transmitting node do not corrupt the data which is being sent on a point-to-point network, where the need for multiple queues has been eliminated. Moreover, the present invention provides protection of the integrity of the data from multiple concurrent processes within a single queue solution. Another advantage of the present invention is the scalability of the single queue, which permits configurability for optimal buffer memory space usage.